

WHAT IS CLAIMED IS:

1. A recording medium recorded with a plurality of digital data and a plurality of reproduction path information defining a reproduction order of the plurality of digital data,

wherein the plurality of reproduction path information includes first reproduction path information defining a reproduction order of all of the plurality of digital data recorded on the recording medium and the second reproduction path information defining at least one reproduction order of at least one of the plurality of digital data recorded on the recording medium;

wherein the first reproduction path information comprising management information including first index information and further management information for all of the plurality of digital data; and

the second reproduction path information comprising second index information for accessing, from the first reproduction path information, said further management information for said at least one digital data according to a match of the first and second index information.

2. A recording apparatus for recording information on the recording medium according to claim 1, comprising:

a generator for generating the plurality of reproduction path information;

a recorder for recording the plurality of digital data and the plurality of reproduction path information on the recording medium; and

an editing section for editing at least the reproduction order defined by the second reproduction path information.

3. A recording apparatus for recording information on the recording medium according to claim 2, wherein the generator includes the first reproduction path information defining a reproduction order of all of the plurality of digital data to be recorded on the recording medium and the second reproduction path information defining a reproduction order of at least one of the plurality of digital data to be recorded on the recording medium, the first reproduction path information comprising management information including first index information and further management information for all of the plurality of digital data; and the second reproduction path information comprising second index information for accessing, from the first reproduction path information, said further management information for said at least one digital data according to a match of the first and second index information.

4. A reproduction apparatus for reproducing information from the recording medium according to claim 1, comprising:

a retrieval section for retrieving selected reproduction path information among the plurality of reproduction path information recorded on the recording medium; and

a reproduction section for reproducing at least one digital data of the plurality of digital data in accordance with the selected reproduction path information.

5. A reproduction apparatus for reproducing information from the recording medium according to claim 4, wherein the retrieval section comprises means for retrieving the first reproduction path information defining a reproduction order of all of the plurality of digital data recorded on the recording medium, and means for retrieving the second reproduction path information defining a reproduction order of at least one of the plurality of digital data recorded on the recording

medium, the first reproduction path information comprising management information including first index information and further management information for all of the plurality of digital data; and the second reproduction path information comprising second index information for accessing, from the first reproduction path information, said further management information for said at least one digital data according to a match of the first and second index information.

6. A program storage medium for storing a program which makes a computer record information on the recording medium according to claim 1, wherein the program includes the steps of:

generating the plurality of reproduction path information;

recording the plurality of digital data and the plurality of reproduction path information on the recording medium; and

editing at least the reproduction order defined by the second reproduction path information.

7. A program storage medium for storing a program which makes a computer record information on the recording medium according to claim 6, wherein the plurality of reproduction path information includes the first reproduction path information defining a reproduction order of all of the plurality of digital data to be recorded on the recording medium, and the second reproduction path information defining a reproduction order of at least one of the plurality of digital data to be recorded on the recording medium, the first reproduction path information comprising management information including first index information and further management information for all of the plurality of digital data; and the second reproduction path information comprising second index information for accessing, from the first

reproduction path information, said further management
information for said at least one digital data according to a
match of the first and second index information.